

The syllabus of the discipline “Pediatric therapeutic dentistry”

Individual profile course of practical training (IPCPT)

“General dentistry” (5 course)

ББ 3.1.4.1

I. General information	
Name of the faculty	Dental
Educational program (industry, specialty, level of higher education, form of education)	22 Health care, 221 Dentistry, second (master's) level of higher education, full-time
Academic year	2023/2024
The name of the discipline, the code (email address on the website of LNMU named after Danylo Halytskyi)	Pediatric therapeutic dentistry, (Kaf_peddentistry@meduniv.lviv.ua)
Department (name, address, telephone, e-mail)	Pediatric dentistry Lviv, Pekarska st 69 B phone: +38(032)276-32-41 Kaf_peddentistry@meduniv.lviv.ua
Head of department (contact e-mail)	Oleksandr Volodymyrovych Kolesnichenko, Ph.D, Associate Professor (Kaf_peddentistry@meduniv.lviv.ua)
Year of study (year in which the study of the discipline)	Fifth
Semester (semester in which the study of the discipline is implemented)	IX-X
Type of discipline/module (compulsory/optional)	Selective
Teachers (names, surnames, scientific degrees and titles of teachers who teach the discipline, contact e-mail)	Hrynshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor Krupnyk A.-S. A. PhD., Assoc. Professor
Erasmus Yes/no (availability of the subject for students within the Erasmus programme)	Yes
Person responsible for the syllabus (person to whom comments regarding the syllabus should be provided, contact e-mail)	Krupnyk A.-S.A. PhD., Assoc. Professor
Number of ECTS credits	4
Number of hours (lectures/practical classes/independent work of students)	120 practical classes - 60 individual work of students - 60
Language of education	English
Information about consultations	Consultations are held according to the schedule
Address, phone number of the clinical base	Lviv, Pekarska St. 69 phone: +38(032)276-32-41
2. Short abstract of the discipline	

Pediatric dentistry- is a complex and multi-component specialty where a specialist acting as a dentist must also think as a pediatrician. The training and operation of such a specialist requires a great deal of effort, skill, time, and energy. Every specialist who works with children should know the peculiarities of the prenatal and postnatal periods of development and formation of the hard tissues of the teeth, jaw bones, soft tissues of the face, as well as how these processes are influenced by the health of the future mother and the child himself, various negative factors that can lead to the emergence and development of dental diseases. He should also know the peculiarities of clinical manifestations and patterns of pathological processes in the maxillofacial area in children, as well as methods of treatment and prevention of dental diseases in different age periods.

3. Purpose and goals of disciplines

The aim of teaching the educational discipline "Pediatric therapeutic dentistry" is to acquire skills in the diagnosis, differential diagnosis and treatment of dental diseases (in particular, caries and its complications, diseases of the tissues of the periodontal and the mucous membrane of the oral cavity) in children of different ages on the basis of their study of etiology, pathogenesis, clinical manifestations, methods of diagnosis and differential diagnosis, methods of treatment, selection and use of modern dental materials and medicines. The tasks of studying the educational discipline "Pediatric therapeutic dentistry" in the 5th year are aimed at the formation of integral, general and professional (special) competencies and the achievement of the following learning outcomes defined in the Standard of Higher Education of Ukraine of the second (master's) level of the field of knowledge 22 "Health care" specialty 221 "Dentistry".

Competences and learning outcomes, the formation of which contributes to the discipline:

General:

1. The ability to think abstractly, analyze and synthesize.
2. Knowledge and understanding of the subject area and understanding of the professional activity.
3. The ability to apply knowledge in practical activities.
4. Ability to communicate in the official language both verbally and in writing.
5. Ability to communicate in English.
6. Skills in the use of information and communication technologies.
7. The ability to search for, process, and analyze information from various sources.
8. The ability to adapt and act in a new situation.
9. The ability to identify, pose, and solve problems.
11. Ability to work in a team.
12. The desire to preserve the environment.
13. The ability to act socially responsible and consciously.
14. Ability to realize their rights and obligations as a member of society, to be aware of the values of civil (free democratic) society and the need for its sustainable development, the rule of law, the rights and freedoms of man and citizen in Ukraine.

Special (professional, subject):

1. The ability to collect medical information about the patient and analyze clinical data.
2. Ability to interpret the results of laboratory and instrumental studies.
3. The ability to diagnose: to identify the preliminary, clinical, final, associated diagnosis, the immediate conditions.
4. Ability to plan and implement measures to prevent diseases of organs and tissues of the oral cavity and the maxillofacial region.
5. Ability to design the process of providing medical care: to define the approaches, plan, types and principles of treatment of diseases of the organs and tissues of the oral cavity and the maxillofacial region.
6. The ability to determine the rational regime of work, rest, diet in patients in the treatment of diseases of the organs and tissues of the oral cavity and the maxillofacial region.
7. The Ability to determine the tactics of management of patients with diseases of organs and tissues of the oral cavity and maxillofacial region with associated somatic diseases.
8. Ability to perform medical and dental manipulations.
9. The ability to treat the main diseases of the organs and tissues of the oral cavity and the maxillofacial region.
10. Ability to organize and conduct medical evacuation activities.

11. The ability to identify tactics, methods, and emergency medical response.
12. The ability to organize and conduct dental screening.
13. The ability to assess the impact of the environment on the health of the population (individual, family, population).
14. The ability to maintain regulatory medical records.
15. Processing of state, social and medical information.
16. The ability to organize and carry out rehabilitation measures and care for patients with diseases of the oral cavity and MFO.
17. The ability to legally support one's own professional activity.
18. The ability to provide pre-medical care according to the protocols of tactical medicine.

3. Prerequisites of the discipline

Pediatric therapeutic dentistry as a discipline:

- (a) is based on and integrated with the prior study by students of human anatomy, histology, embryology and cytology, medical biology, medical chemistry, biological and bio-organic chemistry, medical physics, microbiology, virology and immunology, and childhood diseases;
- (b) establishes the basis for the study by students of such clinical disciplines as prevention of dental diseases, pediatric surgical dentistry, therapeutic dentistry, orthodontics;
- (c) is based on and integrated with the study by students of the prospective dental disciplines: prospective dentists in paediatric therapeutic dentistry, prospective dentists in therapeutic dentistry, prospective dentists in orthopaedic dentistry;
- (d) is integrated with the following clinical disciplines: prevention of dental diseases, paediatric surgical dentistry, orthodontics and therapeutic dentistry;
- (e) develop an awareness of professional responsibility for the quality of care for caries and its complications, periodontal disease and mucous membrane of the oral cavity in children of all ages and the need for the widespread introduction of primary prevention of dental diseases.

2. Programmed learning outcomes

List of learning outcomes

Learning outcome code	Content of the learning outcomes	Link to competency matrix code
<p><i>The code is created when filling out the syllabus (category:</i></p> <p><i>K-knowledge;</i></p> <p><i>Sk- skill;</i></p> <p><i>C-competence;</i></p> <p><i>AR-autonomy and responsibility)</i></p> <p><i>The code is generated by filling in the syllabus (category: knowledge; ability competence; autonomy and responsibility)</i></p>	<p><i>Learning outcomes determine what a student should know, understand, and be able to do after completing a discipline. Learning outcomes follow from the learning objectives. To be included in the discipline, it is necessary to confirm the achievement of each learning outcome</i></p>	<p><i>Symbols of the Code of the Program learning outcome in the Standard of higher education</i></p>
<p>K-2</p> <p>Sk-1</p> <p>C -1, C-2</p>	<p>To highlight and identify leading clinical symptoms and syndromes: facial disproportion; pain in the soft tissues of the maxillofacial area; headache; changed color of the skin, mucous membrane of the oral cavity; lesions on the skin and mucous membrane of the oral cavity; lymphadenopathy; macroglossia; macrochely; maceration of the corners of the mouth; dental deposits; heartburn of the mucous membrane; taste disturbance; violation of functions of sucking, swallowing, pathological mobility of teeth; the presence of an infiltrate in the maxillofacial region; restrictions in opening the mouth; gum, periodontal, bone pocket.</p>	<p>P-1</p>
<p>K - 1</p>	<p>Collect information about the general condition of the patient, evaluate the psychomotor and physical</p>	<p>P – 2,</p>

<p>Sk-1 AR - 1</p>	<p>development of the patient, the condition of the organs of the maxillofacial region, based on the results of laboratory and instrumental studies, evaluate information about the diagnosis (histomorphological examination of a biopsy of lymph nodes, salivary glands, mucous membranes, soft tissues; analysis of glucose content in blood; general blood analysis; general analysis of urine; biochemical blood analysis; immunological research in dental diseases; coagulogram analysis; interpretation of radiological diagnostics of salivary glands; cytological examination of organs and tissues of the maxillofacial apparatus; microbiological examination of oral fluid, swabs from the mucous membrane of the oral cavity, periodontium).</p>	<p>P-3</p>
<p>K - 1 Sk - 1 AR - 1</p>	<p>To determine the final clinical diagnosis in compliance with the relevant ethical and legal norms, by making a reasoned decision and logical analysis of the received subjective and objective data of clinical, additional examination, carrying out differential diagnosis under the control of the supervising physician in the conditions of a medical institution (papillitis; gingivitis; periodontitis); periodontal disease; traumatic lesions; autoinfectious diseases of the mucous membrane of the oral cavity, (acute aphthous stomatitis, herpetic, ulcer-necrotic, candidal lesions); secondary bacterial diseases (diphtheria, tuberculosis, syphilis, gonorrhoea); manifestations of immunodeficiency states of the mucous membrane of the oral cavity (AIDS); allergic lesions).</p> <p>To diagnose emergencies under any circumstances (at home, on the street, in a medical facility, in an emergency, a state of war, lack of information, and limited time): asphyxia (including newborns); hypertensive crisis; acute respiratory failure; acute heart failure; acute poisoning; acute abdomen; electrocution; unconsciousness; external bleeding; collapse; coma; swollen larynx; swollen Quincke; burns and frostbite; convulsions; drowning; physiological births; shock.</p>	<p>P - 4</p> <p>P - 5</p>
<p>K- 2 Sk- 1 C - 1 AR- 1</p>	<p>Conduct and implement dental disease prevention measures among the child population to prevent the spread of dental diseases</p> <p>Analyze the epidemiological situation and carry out measures of mass and individual, general and local drug and non-drug prevention of dental diseases</p>	<p>P - 6</p> <p>P-7</p>
<p>K - 1 Sk - 1 AR - 1</p>	<p>Determine the approach, plan, type and principle of treatment for: periodontal tissue pathology; traumatic lesions of the mucous membrane of the oral cavity; viral, fungal, allergic diseases of the mucous membrane of the oral cavity; changes in the mucous membrane of the oral cavity in case of: systemic diseases; specific diseases; changes in the mucous membrane of the oral cavity in acute infectious and viral diseases; independent and symptomatic cheilitis; abnormalities and diseases of the tongue.</p>	<p>P- 8</p>
<p>K- 1 K- 2 S - 1 C - 1</p>	<p>Determine the diet of sick children in the treatment of: periodontal tissue pathology; traumatic lesions of the mucous membrane of the oral cavity; viral, fungal, allergic diseases of the mucous membrane of the oral cavity; changes in the mucous membrane of the oral cavity in case of: systemic diseases; specific diseases; changes in the mucous membrane of the oral cavity in acute infectious and viral diseases; independent and symptomatic cheilitis; abnormalities and diseases of the tongue, pathologies of periodontal tissues; traumatic lesions of the mucous membrane of the oral cavity; viral, fungal, allergic diseases</p>	<p>P - 9</p>

	of the mucous membrane of the oral cavity; changes in the mucous membrane of the oral cavity in case of: systemic diseases; specific diseases; changes in the mucous membrane of the oral cavity in acute infectious and viral diseases; independent and symptomatic cheilitis; abnormalities and diseases of the tongue.	
Sk- 1 AR - 1, AR - 2	The ability to determine the management tactics of dental patients with accompanying somatic diseases	P - 10
K- 1 Sk - 1 K - 1 AR - 1, AR - 2	To determine the nature and principles of treatment of diseases in children's therapeutic dentistry for: periodontal tissue pathology; traumatic lesions of the mucous membrane of the oral cavity; viral, fungal, allergic diseases of the mucous membrane of the oral cavity; changes in the mucous membrane of the oral cavity in case of: systemic diseases; specific diseases; changes in the mucous membrane of the oral cavity in acute infectious and viral diseases; independent and symptomatic cheilitis; abnormalities and diseases of the tongue. pathologies of periodontal tissues; traumatic lesions of the mucous membrane of the oral cavity; viral, fungal, allergic diseases of the mucous membrane of the oral cavity; changes in the mucous membrane of the oral cavity in case of: systemic diseases; specific diseases; changes in the mucous membrane of the oral cavity in acute infectious and viral diseases; independent and symptomatic cheilitis	P - 11
K - 1 K- 2 Sk - 1 AR- 1, AR- 2	Organize medical evacuation measures in emergency situations, including martial law among the child population. The ability to determine the tactics, methods and provision of emergency medical assistance to children	P-12 P - 13
K- 2 Sk- 2	Analyze and evaluate government, social and medical information using standard approaches and computer information technologies The ability to assess the impact of the environment on the health of the population (individual, family, population)	P-14 P - 15
K- 1 Sk - 1 AR -1	To form goals and determine the structure of personal activity based on the result of the analysis of certain social and personal needs. Follow a healthy lifestyle, use self-regulation and self-control techniques. To be aware of and be guided in one's activities by civil rights, freedoms and duties, to raise the general educational cultural level. To comply with the requirements of ethics, bioethics and deontology in their professional activities	P — 16,17,18,19
K- 1 Sk- 1 AR -1	To organize the necessary level of individual safety (own and the persons he cares for) in case of typical dangerous situations in the individual field of activity.	P-20
K - 1 Sk- 1 AR -1	The ability to perform medical manipulations based on a preliminary or final diagnosis for children	P - 21

K – 1 Sk – 1 AR - 1	The ability to perform medical dental manipulations based on a preliminary or final diagnosis for children	P- 22
K- 2 Sk -1 C– 1 AR -1, AR - 2	Ability to provide emergency medical care according to tactical medicine protocols	P - 23

K1 Specialized conceptual knowledge acquired in the process of study and/or professional activity at the level of the latest achievements, which is the basis for original thinking and innovative activity, in particular in the context of research work

K2 Critical understanding of problems in education and/or professional activity and at the border of subject areas

Sk1 Solving complex tasks and problems that requires updating and integrating knowledge, often in conditions of incomplete/insufficient information and conflicting requirements

Sk2 Conducting research and/or innovative activities

C1 Clear and unambiguous presentation of one's own conclusions, as well as the knowledge and explanations that justify them, to specialists and non-specialists, in particular to persons who are studying

C2 Use of foreign languages in professional activities

AR1 Decision-making in complex and unpredictable conditions, which requires the use of new approaches and forecasting

AR2 Responsibility for the development of professional knowledge and practices, assessment of the team's strategic development

6. Form and amount of discipline

Course format	Presentative	
Type of work	Number of hours	Number of groups
Lectures	-	-
Practical Lessons	60	1
Individual work of students	60	1

1. Topic and content of the discipline

Code type classes	Topic	Content of training	Learning outcome code	Teacher
P-1	Content, structure and requirements of the test license exam "KROK-2" in the specialty "Dentistry". Methodology of OSKI. Morpho-functional features of the periodontal structure in children. Classification of periodontal diseases. Etiology and pathogenesis of periodontal tissue diseases.	<p>1. Determination of the initial level of students' knowledge (oral and test survey)</p> <p>2. Acquaintance with educational educational material</p> <p>3. Carry out treatment of the patient:</p> <ul style="list-style-type: none"> - collect anamnesis; - conduct a clinical examination; -interpret additional results <p>research methods.</p> <ul style="list-style-type: none"> - make a diagnosis and make a scheme treatment of the patient. - draw up the medical card of the dental patient. 	K-2 Sk -1 AR -1	<p>Hrynyshyn O.B. PhD., Assoc. Professor</p> <p>Fur M.B. PhD., Assoc. Professor</p> <p>Krupnyk A.-S. A. PhD., Assoc. Professor</p>

		3. Control of the level of assimilation of knowledge (tests and situational problems)		
P-2	Gingivitis in children. Clinic, diagnosis, differential diagnosis and treatment of various forms of gingivitis. Laboratory research methods for periodontal tissue diseases in children.	1. Determination of the initial level of students' knowledge (oral and test survey). 2. Acquaintance with educational materials 3. Curating the patient: - collect anamnesis; - conduct a clinical examination; - interpret the results of additional research methods. - make a diagnosis and make a scheme treatment of the patient. - issue a dental medical card sick patient. 3. Control of the level of assimilation of knowledge (tests and situational problems)	K-2 Sk -1 AR -1	Hrynyshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor Krupnyk A.-S. A. PhD., Assoc. Professor
P-3	Periodontitis in children. Clinic, diagnostics. Principles of treatment of periodontitis in children. Periodontal syndrome in children. Clinic, diagnosis Methods of examination of periodontal tissues in children: clinical and index assessment, X-ray and laboratory research methods. Individual determination of risk factors for periodontal tissue diseases.	1. Determination of the initial level of students' knowledge (oral and test survey). 2. Acquaintance with the educational handout 3. Control of the level of knowledge acquisition (tests and situational tasks) 1. Describe the algorithm for examining periodontal tissues in children. 2. Describe the methods of assessing the hygienic condition of the oral cavity (determining the indices of gingivitis and periodontitis). 1. Describe the main idiopathic periodontal diseases in children (clinic, diagnosis). 2. Make a treatment plan for idiopathic periodontal diseases.	K -1 Sk- 1 C – 1, C-2 AR-1	Hrynyshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor Krupnyk A.-S. A. PhD., Assoc. Professor
Iw- 1	Idiopathic periodontal diseases in children: features of the clinical course, diagnosis, differential diagnosis. Tactics of a dentist.			
Iw -2				
P-4	Morpho-functional features of the structure of the mucous membrane of the oral cavity in children.	1. Determination of the initial level of knowledge of students (oral and test interviews).	K-1, Sk-1 C-1. C-2	Hrynyshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor

Iw- 3	<p>Primary and secondary elements of lesions of the mucous membrane of the oral cavity</p> <p>Classification of diseases of the mucous membrane of the oral cavity. Stomatitis in children: (Acute and recurrent herpetic. Chronic recurrent aphthous stomatitis) Etiology, pathogenesis, clinic, diagnosis, treatment and prevention.</p> <p>Herpetic stomatitis in children Etiology, pathogenesis, clinic, diagnostics, differential diagnostic, treatment. Characteristics of the main groups of antiviral agents.</p>	<p>2. Familiarity with educational materials</p> <p>3. Monitoring the level of knowledge acquisition (tests and situational tasks)</p> <p>1. Describe the clinical symptoms acute and recurrent herpetic stomatitis in children according to severity of the disease.</p> <p>2. Describe treatment algorithms acute and recurrent herpetic stomatitis in children.</p>	AR 1, AR -2	Krupnyk A.-S. A. PhD., Assoc. Professor
P-5 Iw-4	<p>Fungal lesions of the mucous membrane of the oral cavity in children. Etiology, pathogenesis, clinic, diagnosis, treatment, and prevention.</p> <p>Fungal lesions of of the mucous membrane of the oral cavity in children. Characteristic main groups of antifungal agents.</p>	<p>1. Determination of the initial level of students' knowledge (oral and test survey).</p> <p>2. Acquaintance with educational materials</p> <p>3. Control of the level of assimilation of knowledge (tests and situational problems)</p> <p>1. Describe the types of candidiasis lesions of mucous membrane of the oral cavity in children.</p> <p>2. Make a table of antifungals means: groups, mechanisms of action, indications, contraindications, methods of use in childhood.</p>	K -1, Sk-1 C-1. C-2 AR 1, AR -2	Hrynyshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor Krupnyk A.-S. A. PhD., Assoc. Professor
P-6	Diseases of the tongue and lips in children. Causes, clinic, differential diagnosis. Principles of treatment. Independent and symptomatic cheilitis.	<p>1. Determination of the initial level of students' knowledge (oral and test survey).</p> <p>2. Acquaintance with educational materials</p> <p>3. Control of the level of assimilation of knowledge (tests and situational tasks)</p>	K -1, Sk-1 C-1. C-2 AR 1, AR -2	Hrynyshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor Krupnyk A.-S. A. PhD., Assoc. Professor
P-7	<p>Oral manifestations in diseases of the gastrointestinal tract, blood system, endocrine system and infectious diseases in children. Clinic, diagnosis, and treatment. Traumatic lesions of the mucous membrane of the oral cavity in children</p> <p>Clinical, diagnostic and treatment and preventionю</p>	<p>1.Determination of the initial level of knowledge of students (oral and test interviews). 2. Familiarity with educational materials 3. Monitoring the level of knowledge acquisition (tests and situational tasks)</p> <p>1.Develop a treatment plan for traumatic injuries in children with OCD:</p>	K -1, Sk-1 C-1. C-2 AR 1, AR -2	Hrynyshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor Krupnyk A.-S. A. PhD., Assoc. Professor

Iw-5	Traumatic lesions of the mucous membrane of the oral cavity in children.	mechanical thermal; chemicals radial		
P-8	Allergic reactions of the immediate (anaphylactic shock, Quincke's edema, urticaria) and delayed (drug allergy, multiform exudative erythema, Stevens-Johnson syndrome) type, their manifestations in the oral cavity of children of various ages. Clinic, diagnosis, differential diagnosis, treatment. Emergency conditions at a dental appointment.	1. Determination of the initial level of knowledge of students (oral and test survey). 2. Familiarity with educational materials 3. Monitoring the level of knowledge acquisition (tests and situational tasks)	K-1, Sk-1 C-1. C-2 AR 1, AR -2	Hrynyshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor Krupnyk A.-S. A. PhD., Assoc. Professor
P-9	AIDS. Etiology, clinic, diagnosis, prevention. Peculiarities of clinical manifestations in children. Tactics of a dentist. Specific infection of the oral cavity in children (tuberculosis, syphilis, etc.). Peculiarities of clinical manifestations on SOPR.	Determination of the initial level of students' knowledge (oral and test survey). 2. Acquaintance with educational materials 3. Control of the level of assimilation of knowledge (tests and situational problems)	K-1, Sk-1 C-1. C-2 AR 1, AR -2	Hrynyshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor Krupnyk A.-S. A. PhD., Assoc. Professor
Iw-6	Caries of temporary and permanent teeth in children. Non-carious lesions of hard dental tissues in children: hypoplasia, fluorosis. Hereditary malformations of the hard tissues of teeth in children. Modern filling materials, their characteristics and selection in the practice of children's therapeutic dentistry.	1. Describe the features of caries in temporary and permanent teeth, selection of sealing materials. 2. Write the classification of non-carious lesions of hard tissues of the tooth.	K-1 Sk-1 C-1 AR-1, AR-2	Hrynyshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor Krupnyk A.-S. A. PhD., Assoc. Professor
Iw-7	The choice of the method of treatment of pulpitis depends on the stage of tooth development and the form of pulpitis.	1. Describe the methods of treatment of pulpitis in children, indications and contraindications for each method.	K-1, Sk-1 C-1. C-2 AR 1, AR -2	Hrynyshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor Krupnyk A.-S. A. PhD., Assoc. Professor
Iw -8	Apexogenesis and apexification in the treatment of pulpitis of unformed permanent teeth	1. Describe the stages of development of permanent teeth. 2. Describe the concepts of the words apexogenesis and apexification. 3. Algorithm of apexogenesis and apexification.	K-1, Sk-1 C-1. C-2 AR 1, AR-2	Hrynyshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor Krupnyk A.-S. A. PhD., Assoc. Professor
Iw-9	The choice of periapical inflammation treatment method depends on the stage of tooth development and the form of periapical inflammation.	1. Write the classification of periapical inflammation in children. 2. Describe methods of treatment for various forms of periapical inflammation.	K -1, SK-1 C-1. C-2 AR 1, AR -2	Hrynyshyn O.B. PhD., Assoc. Professor Fur M.B. PhD., Assoc. Professor

				Krupnyk A.-S. A. PhD., Assoc. Professor
Iw-10	Writing medical history	Preparation of material for writing medical history.	K-1	Hrynshyn O.B. PhD., Assoc. Professor
P-10	The final lesson. The protection of medical history. Control of learning practical skills	1. Control of the acquisition of practical skills. 2. The protection of the medical history.	Sk 1 C-1 AR-1, AR-2	Fur M.B. PhD., Assoc. Professor Krupnyk A.-S. A. PhD., Assoc. Professor

4. Verification of study results

Current control

Current control is carried out during training sessions and is aimed at checking students' assimilation of educational material.

Assessment of current educational activities. During the evaluation of the mastery of each topic for the current educational activity, the student is given grades on a 4-point (traditional) scale, taking into account the approved evaluation criteria for the relevant discipline. At the same time, all types of work provided by the educational program are taken into account.

The student must receive a grade in each topic. Forms of assessment of current educational activities are standardized and include control of theoretical and practical training. They are converted into points at the end of the semester based on the traditional assessment scale.

The current evaluation of the student's educational activity at each practical session is carried out in accordance with specific goals of each topic.

Assessment of the current learning activity in the practical class consists of:

1) Assessments of the student's individual work (SIW) in preparation for the practical session. It is carried out by checking the written performance of the tasks set out in the workbook to prepare for each topic. The specific weight of the grade for the synopsis with homework is 25% of total grade for classes in points. If the student did not complete the task for the SIW and did not submit the synopsis for checking to the teacher, then the traditional grade for the class will be lower **by 1 point**.

2) Evaluation of students' knowledge level, which is carried out by solving 10 test tasks of A format (level - 2) or evaluating answers to control theoretical questions.

A grade of "5" is given for this stage of the lesson if the student correctly answered 81-100% of the test tasks or gave correct, complete answers to the teacher's 3 control questions.

The grade "4" is assigned when the student answered correctly on 71-80% of the test tasks or gave correct, complete answers to 2 teacher control questions and one incomplete or inaccurate answer - to the third.

The grade "3" is awarded when the student answered 61-70% of the test questions correctly tribute or gave the correct answer to one control question of the teacher and two incomplete or inaccurate answers - to two questions.

The grade "2" is given when the student correctly answered less than 60% of the test tasks, gave the correct answered only one or did not answer any of the teacher's control questions.

Assessment of practical skills according to professional algorithms during the main stage of practical training. Performed while the student is working on a practical skill on the phantom or being taught a written algorithm for its execution.

The grade "5" is issued for this stage of the course if the student correctly, in accordance with the professional algorithm, performed on the phantom dental manipulation provided for the purpose of the practical course.

The grade "4" is given when the student knows the sequence of actions according to the professional algorithm, with minor mistakenly performed the dental manipulation on the phantom provided for the purpose of the practical session.

The grade "3" is assigned when the student does not fully know the professional algorithm for performing one or another manipulation mistakes are allowed when dental manipulation is performed on the phantom, provided for by the purpose of the practical training.

The grade "2" is assigned when the student does not know the professional algorithm for performing dental manipulation, cannot to perform dental manipulation on the phantom provided for the purpose of the practical session.

<i>Code for the learning outcome</i>	<i>By type of activity</i>	<i>Method of verification of learning results</i>	<i>Criteria for inclusion</i>
K-1, AR-1	P -1,	1. Assessing the level of knowledge of students	Assessment of students' current performance is carried out at each practical session on a 4-point scale using

		<p>2. Assessment of practical skills</p> <p>3. Evaluation of the student's independent work</p>	<p>approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.</p>
K-1, Sk-1 C-1,C-2, AR-1	P-2,	<p>1. Assessing the level of knowledge of students</p> <p>2. Assessment of practical skills</p> <p>3. Evaluation of the student's independent work</p>	<p>Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.</p>
K-1, Sk-1 C-1.C-2, AR -1, AR-2	P-3,	<p>1. Assessing the level of knowledge of students</p> <p>2. Assessment of practical skills</p> <p>3. Evaluation of the student's independent work</p>	<p>Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.</p>
K-1, Sk-1,C-1, C-2, AR-1, AR-2	P-4,	<p>1. Assessing the level of knowledge of students</p> <p>2. Assessment of practical skills</p>	<p>Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.</p>
K-1, Sk-1,C-1, C-2, AR-1, AR-2	P-5,	<p>1. Assessing the level of knowledge of students</p> <p>2. Assessment of practical skills</p> <p>3. Evaluation of the student's independent work</p>	<p>Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.</p>
	P-6	<p>1. Assessing the level of knowledge of students</p> <p>2. Assessment of practical skills</p>	<p>Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.</p>
K-1, Sk-1, C-1,C-2, AR -1, AR-2	P-7,	<p>1. Assessing the level of knowledge of students</p> <p>2. Assessment of practical skills</p> <p>3. Evaluation of the student's independent work</p>	<p>Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.</p>
K-1, Sk-1, C-1, C-2, AR-1, AR-2	P-8	<p>1. Assessing the level of knowledge of students</p> <p>2. Assessment of practical skills</p> <p>3. Evaluation of the student's independent work</p>	<p>Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.</p>

K-1, Sk-1,C-1, C-2, AR-1, AR-2	P-9,	1. Assessing the level of knowledge of students 2. Assessment of practical skills 3. Evaluation of the student's independent work	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
K-1, Sk-1, Sk-2, C-1, AR-1, AR-2	P-10,	1. Assessing the level of knowledge of students 2. Assessment of practical skills 3. Evaluation of the student's independent work	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
K-1, Sk-1, Sk-2, C-1, AR-1, AR-2	P-11;	1. Assessing the level of knowledge of students 2. Assessment of practical skills 3. Evaluation of the student's independent work	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
K-1, Sk-1, Sk-2, C-1, AR-1, AR-2	P-12;	1. Assessment of practical skills 2. Evaluation of the student's independent work	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
K-1, Sk-1, Sk-2, C-1, AR-1, AR-2	P-13 Iw-1,	1. Assessment of practical skills 2. Evaluation of the student's independent work	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
K-1, Sk-1, Sk-2, C-1, AR-1, AR-2	Iw -1-12	Assessment of practical skills	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
Final control			
General evaluation system	Participation in work during the semester/exam – 60% - 40%		
Rating scales	Traditional 4-point scale, multi-point (200-point) scale, ECTS rating scale		

Conditions of admission to the final control	The student attended all practical classes and received at least 120 points for the current performance	
Type of final control	Methodology of final control	Enrollment criteria
Credit	All topics submitted for current control must be included. Grades from a 4-point scale are converted into points on a multi-point (200-point) scale in accordance with the Regulation "Criteria, rules and procedures for evaluating the results of students' educational activities"	The maximum number of points is 200. The minimum number of points is 120

The maximum number of points that a student can score for the current educational activity for admission to differentiated credit is 200 points.

The minimum number of points that a student must score for the current educational activity for admission to differentiated credit is 120 points.

The number of points is calculated based on the grades received by the student on a 4-point (national) scale during the study of the discipline, by calculating the arithmetic mean (A), rounded to two decimal places. The obtained value is converted into points on a multi-point scale as follows:

$$x = \frac{CA \times 120}{5}$$

Recalculation of the average grade for the current activity into a multi-point scale for disciplines ending with credit:

4-point scale	The 200-point scale	4-point scale	The 200-point scale	4-point scale	The 200-point scale	4-point scale	The 200-point scale
5	200	4.45	178	3.92	157	3.37	135
4.97	199	4.42	177	3.89	156	3.35	134
4.95	198	4.4	176	3.87	155	3.32	133
4.92	197	4.37	175	3.84	154	3.3	132
4.9	196	4.35	174	3.82	153	3.27	131
4.87	195	4.32	173	3.79	152	3.25	130
4.85	194	4.3	172	3.77	151	3.22	129
4.82	193	4.27	171	3.74	150	3.2	128
4.8	192	4.24	170	3.72	149	3.17	127
4.77	191	4.22	169	3.7	148	3.15	126
4.75	190	4.19	168	3.67	147	3.12	125

4.72	189	4.17	167	3.65	146	3.1	124
4.7	188	4.14	166	3.62	145	3.07	123
4.67	187	4.12	165	3.57	143	3.02	121
4.65	186	4.09	164	3.55	142	3	120

4.62	185	4.07	163	3.52	141	<3	not enough
4.6	184	4.04	162	3.5	140		
4.57	183	4.02	161	3.47	139		
4.52	181	3.99	160	3.45	138		
4.5	180	3.97	159	3.42	137		
4.47	179	3.94	158	3.4	136		

Evaluation criteria of an objective structured practical (clinical) exam/a complex of practical-oriented exams

The procedure for conducting the unified state qualification exam, approved by the order of the Ministry of Health of Ukraine dated 02/19/2019 No. 419, registered in the Ministry of Justice of Ukraine on 03/20/2019 under No. 279/33250.

1. Policy of discipline

(Indicates academic integrity policies, specific program policies relevant to the course).

The points scored on the current test, individual work and the points of the final test are taken into account. At the same time, attendance at classes and the student's activity during practical classes must be taken into account; inadmissibility of absences and lateness to classes; using a mobile phone, tablet or other mobile devices during class for non-educational purposes; plagiarism and plagiarism; untimely performance of the assigned task, etc.

The policy of the academic discipline is determined by certain requirements for the student when studying the discipline "Pediatric Therapeutic Dentistry" and is based on the principles of academic integrity. The importance of acquiring new knowledge, academic norms to be followed, their importance, what academic integrity is, its values and functions are discussed with students.

The essence, features and reasons for the inadmissibility of academic plagiarism are explained, students of higher education are encouraged to independently complete tasks, and correctly refer to sources of information in case of borrowing ideas.

The policy of the academic discipline consists in: mandatory observance of academic integrity by students, namely: independent performance of all types of work, tasks, forms of control provided for by the work program of the academic discipline.

Compliance with the principles and norms of ethics and deontology by students of higher education:

- actions in professional and educational situations taking into account academic integrity and professional ethics and deontology;
- compliance with the internal rules of the clinical base of the department, to be tolerant, friendly and balanced in communication with students and teachers, patients, medical staff of health care institutions.

Attendance of classes by students of higher education: attendance at all classes is mandatory for the purpose of current and final assessment of knowledge (unless there is a valid reason).

Completion of missed classes by students of higher education: Completion of missed classes takes place according to the schedule of practice - rewriting the topic of the class for which the student received a negative grade is held at a time convenient for the teacher and the student outside of classes.

3. Recommended literature

1. Welbury R. Paediatric dentistry/ Richard Welbury, Monty Duggal.- Oxford University Press; 3rd edition, 2005 Copyright.- 306-310
2. Khomenko L.A. Pediatric therapeutic dentistry/ L.A. Khomenko.- Kiev: Book-plus, 2012.

2. Equipment, logistical and software support of the discipline

Children's dentist workplace, dental equipment and instruments;

Phantoms of teeth and jaws;

Tables;

Multimedia presentations;

Computer support.

Official website of Lviv National Medical University named after Danylo Halytskyi: <http://www.meduniv.lviv.ua/>

Electronic information resources of the university library:

Electronic catalog of the library.

Information and reference sources: encyclopedias, directories, dictionaries.

Educational electronic publications and resources: manuals containing systematized material

within the framework of the academic discipline program.

2. Additional information

Practical classes are held in the clinical offices of the Department of Pediatric Dentistry and in the phantom classroom.

The person, who is responsible for the syllabus (Krupnyk A.-S. A. PhD., Assoc. Professor)

Head of Department (Kolesnichenko OV, Ph.D, Associate Professor)